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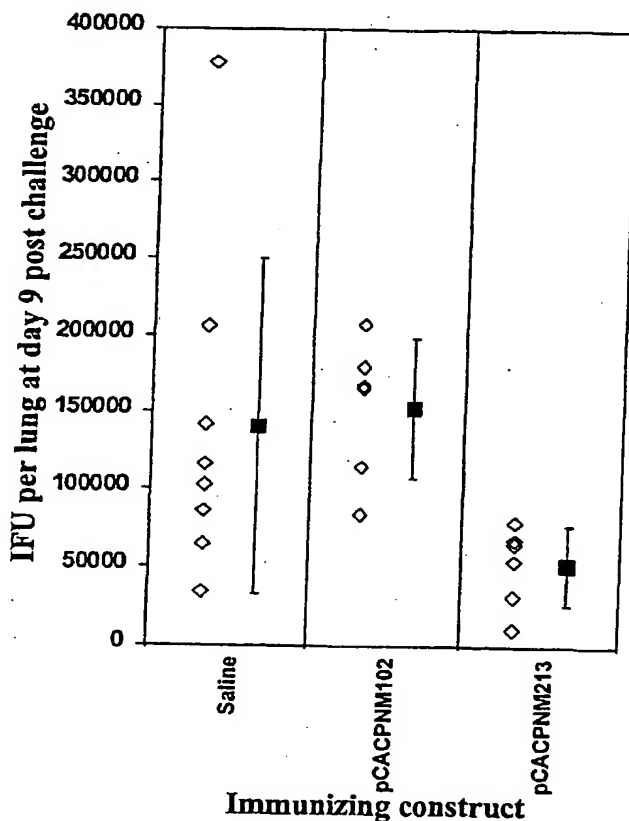
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(54) Title: *CHLAMYDIA* ANTIGENS AND CORRESPONDING DNA FRAGMENTS AND USES THEREOF



(57) Abstract: The present invention provides nucleic acids, proteins and vectors for a method of nucleic acid, including DNA, immunization of a host, including humans, against disease caused by infection by a strain of *Chlamydia*, specifically *C. pneumoniae*. The method employs a vector containing a nucleotide sequence encoding a polypeptide of a strain of *Chlamydia pneumoniae* operably linked to a promoter to effect expression of the gene product in the host. The polypeptides are derived from *C. pneumoniae* and are selected from an ATP-binding cassette protein, a secretory locus ORF, an endopeptidase, a protease, a metalloprotease, CLP protease ATPase, a CLP protease subunit, a transylcolase / transpeptidase, a CLPc protease and thioredoxin. Modifications are possible within the scope of this invention.